UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/695,622	10/28/2003	Surya Rajan	065734.0139	5388

23640	7590	12/22/2005

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EXAMINER
BACKER, FIRMIN

ART UNIT	PAPER NUMBER
3621	

DATE MAILED: 12/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/695,622	RAJAN ET AL.
	Examiner	Art Unit	
	FIRMN BACKER	3621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *19 October 2005*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
   closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-263,265-273 and 291-295* is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-263,265-273 and 291-295* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All   b)☐ Some * c)☐ None of:

   1.☐ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
      application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2.   Claims 1-263, 265-273 and 291-295 are rejected under 35 U.S.C. 102(e) as being

anticipated by Myrick et al (U.S. PG Pub No. 2004/0143470).

3.   As per claims 1 and 295, Myrick et al teach a system having a processor, memory

operative with the processor, and storage media operative with the processor, the system further

comprising: a business framework; a database framework operative with the business

framework; and a client framework operative with the business framework; wherein the business

framework, the database framework, and the client framework form an enterprise system

framework (*see abstract, figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43 and accompanied*

paragraphs, in addition see paragraphs 0004, 0060, 0061, 0074-0092, 0189-0202)

4.   As per claims 2-8, Myrick et al teach a system wherein the enterprise system framework

includes one or more rapid development services that include one or more developer services to

allow one or more developers to execute the enterprise system framework from a local computer

system without configuring the enterprise system framework and security, to debug one or more

stored procedures to develop the business framework to generate a business framework

abstraction of the business framework (*see abstract, figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B,*

43 and accompanied paragraphs, in addition see paragraphs 0004, 0060, 0061, 0074-0092,

0189-0202).

5.   As per claims 9, 10, Myrick et al teach a system wherein the business framework

abstraction allows the business framework to modify one or more business framework services

that the business framework provides to one or more business objects, to modify a business

framework methodology (*see abstract, figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43 and*

accompanied paragraphs, in addition see paragraphs 0004, 0060, 0061, 0074-0092, 0189-

0202).

6.   As per claims 11-35, Myrick et al teach a system wherein a set of central services on the

one or more business objects includes administrative services allow the business framework to

track system usage provides a set of central services for one or more business objects includes

transaction services provided by a COM+ transaction server and business framework include

security services to control user access to the one or more business objects, security services to

control user access to one or more external objects, one or more database one or more client

objects and wherein the security services utilize one or more services provided by an external

service provider, are abstracted from an external service provider's implementation wherein

security services include automatic generation of special components that form walls around the

one or more business objects to control access to the one or more business objects includes

organizational services a compulsory belonging of business objects to one or more business

groups identifying business objects as belonging to the client framework compulsory naming

conventions for the one or more business objects protocol services enable a protocol to be

abstracted from communication between the one or more business objects and the client

framework, an external framework a database framework , one or more client objects to use

different protocols based on a special group to which they belong (*see abstract, figs –9, 12A,*

13A, 30, 31A, 31B, 42A, 42B, 43 and accompanied paragraphs, in addition see paragraphs

0004, 0060, 0061, 0074-0092, 0189-0202).

7.   As per claims 36-39, Myrick et al teach a system wherein the one or more business

objects are distributed on more than one server, more then one client, database external object

(*see abstract, figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43 and accompanied paragraphs, in*

addition see paragraphs 0004, 0060, 0061, 0074-0092, 0189-0202).

8.   As per claims 40-48, Myrick et al teach a system wherein the set of central services

includes adapter services allow the one or more business objects to invoke other computer

systems include computer systems implementing the database framework, include computer

systems implementing an external framework (*see abstract, figs –9, 12A, 13A, 30, 31A, 31B,*

42A, 42B, 43 and accompanied paragraphs, in addition see paragraphs 0004, 0060, 0061,

0074-0092, 0189-0202).

9.   As per claims 49-54, Myrick et al teach a system wherein the set of central services on

the business objects includes error-handling services support a capture of one or more operating

system exceptions a capture of one or more COM errors, include logging errors in an event

viewer when errors are captured logging errors in an event viewer when errors are detected

generating at least one call stack (*see abstract, figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43 and*

accompanied paragraphs, in addition see paragraphs 0004, 0060, 0061, 0074-0092, 0189-

0202).

10.   As per claims 55-63, Myrick et al teach a system wherein the set of central services

includes layering services include a client framework layer an external framework layer a

reporting system layer a client framework layer, an external framework layer, and a reporting

system layer, enables the client framework and the business framework in an optimized manner

includes having the client framework and the business framework interact with a minimum of

round-trips in an abstracted fashion (*see abstract, figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43*

and accompanied paragraphs, in addition see paragraphs 0004, 0060, 0061, 0074-0092, 0189-

0202).

11.   As per claims 64-72, Myrick et al teach a system wherein the set of central services on

business objects includes life-cycle services include notifying the one or more business objects

before and after the business objects are created, updated, deleted fetched (*see abstract, figs –9,*

12A, 13A, 30, 31A, 31B, 42A, 42B, 43 and accompanied paragraphs, in addition see paragraphs

0004, 0060, 0061, 0074-0092, 0189-0202).

12.   As per claims 72-84, Myrick et al teach a system wherein the set of central services

includes rapid development services allow the one or more business objects that are/are not tied

to a database to be generated automatically consist of a layer of non-generated code and a layer

of generated-if-not-existing code provides generic services for the business object to make copies

of themselves automatically guarantees that the layer of generated code implements one or more

certain services contains services to assist the layer of generated code and the layer of generated-

if-not-existing code are created by a third-party tool is overwritten by a developer (*see abstract,*

figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43 and accompanied paragraphs, in addition see

paragraphs 0004, 0060, 0061, 0074-0092, 0189-0202).

13.   As per claims 85-97, Myrick et al teach a system wherein the state/stateless objects can

encapsulate one row of a database table such that encapsulation is done within the layer of

generated code for the state object can automatically contain one or more get member functions

where the member functions match a database schema where the member functions match a

database schema, wherein the member variables are objects when a corresponding database type

is a calendar generated code can contain status flags wherein the collection of state objects

encapsulate zero or more state objects compile-time bound to a corresponding state object is

implemented using a container algorithm is abstracted into a separate object (*see abstract, figs –*

9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43 and accompanied paragraphs, in addition see

paragraphs 0004, 0060, 0061, 0074-0092, 0189-0202).

14.   As per claims 98-110, Myrick et al teach a system wherein the services allow run-time

binding of business objects to inherit from each other convert automatically from one business

object to another, enable automatic replay of deadlock database errors when detected to keep

copies, optionally and automatically, of their old state includes messaging services to send

messages to other users include message queue services enable asynchronous method invocation

between business objects to be invoked immediately and in the event of a failure available even

when an application is not configured in a transaction server (*see abstract, figs –9, 12A, 13A, 30,*

31A, 31B, 42A, 42B, 43 and accompanied paragraphs, in addition see paragraphs 0004, 0060,

0061, 0074-0092, 0189-0202).

15.   As per claims 111-120, Myrick et al teach a system wherein the set of central services for

the business objects include asynchronous services include an ability for business objects to

invoke each other in an asynchronous manner do not preclude the ability for one or more

business objects to invoke each other in a synchronous manner are available if an application is

not configured in a transaction server are optimized for high-performance communication

includes scheduling services allow business objects to be invoked once at a given date and time

includes reporting services allow integration with an external report application provide rapid

development for reports include an external report application having binding functions in state

objects (*see abstract, figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43 and accompanied*

paragraphs, in addition see paragraphs 0004, 0060, 0061, 0074-0092, 0189-0202).

16.   As per claims 121-129, Myrick et al teach a system wherein the database framework

consists of one or more stored procedures, one or more user-defined types, one or more tables,

and one or more views in a relational database all access to the database framework is through

the stored procedures, the user-defined types, tables, and views all follow one or more naming

conventions allow a third-party tool to identify all insert stored procedures, all update stored

procedures, all delete stored procedures, and all query stored procedures that correspond to each

table and to each view in the database allows a third-party tool to generate automatically all

insert stored procedures, update stored procedures, and all delete stored procedures that

correspond to all tables and views wherein the generation allows the stored procedures to support

simultaneous access by multiple users keeping history automatically more services rapidly

wherein the user-defined types enables one or more database columns to identify themselves as

components within a unit system (*see abstract, figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43*

and accompanied paragraphs, in addition see paragraphs 0004, 0060, 0061, 0074-0092, 0189-

0202).

17.   As per claims 130-156, Myrick et al teach a system wherein the client framework

provides rapid development services for the client framework enable the client framework to

change one or more central services for one or more client forms and one or more client dialogs

en masse a set of central services for client forms, client dialogs, and HTML pages includes

abstraction services to abstract client forms and client dialogs from a web browser that hosts the

client forms and the client dialogs providing life-cycle services notifying/allowing the client

forms and the client dialogs to initialize/override the client forms and the client dialogs and

further notifying the client forms and the client dialogs when a command such and get, save,

refresh, delete command is invoked wherein the set of central services include performance

services include caching services caching services include routing all outbound calls through a

cache so that an outbound call need not be made if one or more results are already in the cache

written in C++ wherein the performance services include asynchronous services include services

which enable one or more client objects to invoke one or more server objects in an asynchronous

manner downloading services enable the downloading of the client forms and other objects as a

background process making the client forms, the client dialogs and the client framework light-

weight include using the business objects natively (*see abstract, figs –9, 12A, 13A, 30, 31A,*

31B, 42A, 42B, 43 and accompanied paragraphs, in addition see paragraphs 0004, 0060, 0061,

0074-0092, 0189-0202).

18.   As per claims 157-167, Myrick et al teach a system wherein the central services include

persistence services allow HTML page state to be preserved rapid development services include

automatic updating of a status flag of the one or more business objects property services enable

one or more controls on HTML pages to exhibit behavior based on properties defined for the

control allows the client forms and the client dialogs to invoke business objects without coding

includes loading one or more controls from specific business object data, taking action on a

control selection, taking action when a get, a save, a delete, a refresh, and a history command is

invoked wherein the rapid development services, the client forms and the client dialogs are

written in Visual Basic include integration with a deployment apparatus to discover all binaries

needing to be installed on a client machine (*see abstract, figs1-9, 12A, 13A, 30, 31A, 31B, 42A,*

42B, 43 and accompanied paragraphs, in addition see paragraphs 0004, 0060, 0061, 0074-

0092, 0189-0202).

19.   As per claims 168-178, Myrick et al teach a system wherein an external framework

operates within an enterprise application interface provides a set of central services includes

protocol services include a protocol framework for incorporating new protocols into the system

wherein the set of central services includes communication services include synchronous

invocation services wherein the synchronous invocation services allow synchronous method

invocation between objects within the external framework and one or more external clients

wherein the communication services include subscribe/publish invocation services include

subscribe invocation services allow external framework objects to publish events asynchronously

(*see abstract, figs –9, 12A, 13A, 30, 31A, 31B, 42A, 42B, 43 and accompanied paragraphs, in*

addition see paragraphs 0004, 0060, 0061, 0074-0092, 0189-0202).

20.   As per claims 179-263, 265-273 and 291-294, they are dependent of claims 1 and

disclose inventive concept that are already rejected in claims 1-78. Therefore they are rejected

under the same rationale.

Response to Arguments

Applicant's arguments filed October 19th, 2005 have been fully considered but they are

not persuasive.

Applicant argue by respectfully disagrees and submits that Myrick fails to disclose each

element of claims 1 and 295. Applicant convey disagreement with Examiner assertion that the

cited portion of Myrick discusses a system having a processor, memory operative with the

processor, and storage media operative with the processor, the system further comprising: a

business framework', a database framework operative with the business framework, and a client

framework operative with the business framework," as required by claims 1 and 295. Applicant

argue that the specification discusses a Database Framework 122 that may be composed of tables

and/or views 404, and stored procedures 402 that operate in programs. Examiner respectfully

disagrees with Applicant's characterization of the prior art. Although Applicant disagrees with

Examiner assertion, Applicant emphasizes that paragraph 4 of the prior art discusses that the

enterprise architecture is represented by six components, strategic plan; business architecture;

information architecture, application architecture, technology infrastructure architecture', and

enterprise information technology management framework. It does not appear that there is

disagreement with Applicant's admission and Examiner's assertion as far as the teaching of the

prior art. Furthermore, Applicant's argument confirmed that the prior art teach all the limitation

claimed in the Applicant's invention. *(see applicant's argument).* Therefore, the rejection is

sustained.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

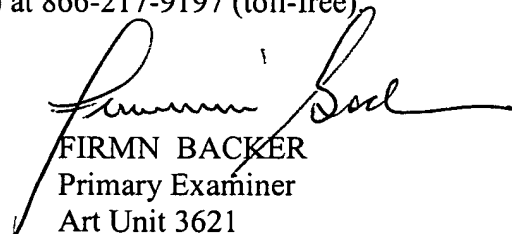MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to FIRMN BACKER whose telephone number is 571-272-6703.

The examiner can normally be reached on Monday - Thursday 9:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, James Trammell can be reached on (571) 272-6712. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FIRMN BACKER
Primary Examiner
Art Unit 3621

December 20, 2005